

**Amendments to the Specification:**

Please replace the paragraph beginning on page 3, line 20, with the following rewritten paragraph:

When the PI control gain is determined under a certain condition and control is fixed to the determined PI control gain, any change in output voltage  $V_m$  and voltage control value  $V_{dcom}$  will cause variation in the adjustment of the voltage applied across NPN transistor 313 in accordance with output voltage  $V_m$  even if the difference between output voltage  $V_m$  and voltage control value  $V_{dcom}$  is constant. As a result, the problem of variation in the follow-up property of output voltage  $V_m$  (e.g., a transient response property) with respect to voltage control value  $V_{dcom}$  will occur.

Please replace the paragraph beginning on page 4, line 1, with the following rewritten paragraph:

In view of the foregoing, an object of the present invention is to provide a voltage conversion apparatus converting a direct current voltage into an output voltage such that the follow-up property of the output voltage (e.g., a transient response property) with respect to a designated voltage is constant.

Please replace the paragraph beginning on page 20, line 3, with the following rewritten paragraph:

Corrector 524 receives feedback preliminary voltage control value  $V_{dcom\_fb\_pr}$  from PI controller 523 and output voltage  $V_m$  from voltage sensor 13 to correct feedback preliminary voltage control value  $V_{dcom\_fb\_pr}$  based on the following equation to calculate feedback voltage control value  $V_{dcom\_fb}$ .

$$V_{dcom\_fb} = V_{dcom\_fb\_pr} \times \frac{V_{std}}{V_m} \quad \dots (2)$$

where  $V_{std}$  represents the reference voltage. Reference voltage  $V_{std}$  is the output voltage of voltage-up converter 12 where the follow-up property of output voltage  $V_m$  (e.g., a transient response property of voltage-up converter 12) with respect to voltage control value  $V_{dcom}$  is

equal to the reference property (e.g., a reference transient response property of voltage-up converter 12 as illustrated in Fig. 8, Pattern 1, curve k2).

Please replace the paragraph beginning on page 23, line 21, with the following rewritten paragraph:

Fig. 8 represents the follow-up property of output voltage  $V_m$  (e.g., a transient response property of voltage-up converter 12) with respect to feedback voltage control value  $V_{dcom\_fb0}$  in feedback control when NPN transistors Q1 and Q2 of voltage-up converter 12 are turned on/off using signals PWU0, PWU1 and PWU2 shown in Fig. 7.

Please replace the paragraph beginning on page 23, line 25, with the following rewritten paragraph:

Referring to Fig. 8, output voltage  $V_m$  follows feedback voltage control value  $V_{dcom\_fb0}$  as in pattern 1 when output voltage  $V_m$  matches reference voltage  $V_{std}$ . Specifically, output voltage  $V_m$  starts from a point A at timing  $t_0$  to cross feedback voltage control value  $V_{dcom\_fb0}$  at timing  $t_1$ , and then follows feedback voltage control value  $V_{dcom\_fb0}$  in accordance with a curve k2. The follow up property represented by curve k2 is referred to as the "reference property" (e.g., a reference transient response property).